



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026



Subject: MATHEMATICS Term: 1ST Name of the Subject Co-ordinator: MANALI PAL Name of the Book: ICSE UNDERSTANDING MATHEMATICS (IUM), M L AGGARWAL

No. of Working Days: 103

No. of Periods Available: 63

Class: VIII

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	17	Ch-1 Rational Numbers IUM Pg. 1-33 Ch-10 Algebraic Expressions and Identities IUM Pg. 163-173	Ch-1. Rational numbers, addition and subtraction, multiplication and division different types of properties of addition, subtraction, multiplication and division Ch-10. Algebraic expressions, monomial, binomial, trinomial, polynomial, degree, addition and subtraction of algebraic expressions.	IUM Pg. 1-33 and Pg. 163-173 Selected sums from Ex 1.1, Ex 1.2, Ex 1.3, Ex 1.4 Ex 1.5, Ex 1.6 and Ex 10.1, Ex 10.2 10.3, Ex 10.4	Demonstration of rational numbers on the number line.
MAY	11	Ch-2 Exponents IUM Pg. 34- 43 Ch- 3 Squares and Square Roots IUM Pg. 44-56 Ch-10 Algebraic Expressions and Identities IUM Pg. 173-182	Ch-2. Powers with negative exponents, laws of exponents. different types of properties of multiplication and division. Ch-3. Perfect squares, properties of square numbers, square roots. Ch-10. Multiplication of polynomial	IUM Pg. 34- 43, Pg. 44-56 and Pg. 173-182 Selected sums from Ex 2, Ex 3.1 to Ex 3.3 and Ex 10.5	Group activities to create different algebraic expressions
JUNE	12	Ch- 3 Squares and Square Roots IUM Pg. 56-65(Continued) Ch-4 Cubes and Cube Roots IUM Pg. 66-78 Maths UT-1 on 17.05.25	Ch-3. Finding square root by division method. Ch-4. Perfect cubes, properties of cubes of natural numbers, cube roots, cube root of a number by prime factorisation method. Syllabus of UT- 1: Ch 1,10	IUM Pg. 56-65 Pg. 66-78 Selected sums from Ex3.4 and Ex 4.1 Ex 4.2	Demonstration of square roots of 2 and 3 on the number line
JULY	23	Ch-7 Percentage and its Applications IUM Pg. 104-127 Ch-11 Factorisation IUM Pg. 183- 194 Ch-13 Understanding Shapes IUM Pg. 214-240	Ch-7. Percentage, Profit and Loss, Discount, GST, applications. Ch-11. Factors of algebraic expressions, factorising by taking out common, by grouping of terms, factorising algebraic identities, factorising of trinomials, division of a polynomial by a polynomial continued. Ch-13. Polygon, classification, quadrilateral, special parallelograms.	IUM Pg. 104-127, Pg. 183-194 and Pg. 214-240 Selected sums from Ex 7.1 to Ex 7.4, Ex 11.1 to Ex 11.5 and Ex 13.1 to Ex Ex13.3	Demonstration of Percentage and its application. Group activities on understanding various shapes like curve, polygon etc.

Teachers are requested to prepare a LESSON PLANS for each Topic month wise. Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Manali Pal 2. Charitaki Roy 3. P. Satter

Submitted on: 21/04/2025
Academic Co-ordinator: K. Banerjee

PRINCIPAL [Signature]

VICE PRINCIPAL [Signature]



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27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026



Subject: MATHEMATICS Term: 1ST and 2ND

Name of the Subject Co-ordinator: MANALI PAL

Name of the Book: ICSE UNDERSTANDING MATHEMATICS (IUM), M L AGGARWAL

No. of Working Days: 103, 92

No. of Periods Available: 29+35

Class: VIII

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	LASS WORK	TEACHING AIDS
AUGUST	20	Ch-8 Simple and Compound Interest IUM Pg. 129-142 Ch-19 Mensuration IUM Pg. 290-299 Ch-17 Symmetry, Reflection and Rotation IUM Pg. 269-277 Ch-18 Visualising Solid Shapes IUM Pg. 278-289	Ch-8. Principal, simple interest, amount, compound interest, formula for compound interest. Ch-19. Area and Perimeter of some plane figures: triangle, rectangle, square, parallelogram and circle Ch-17. Line symmetry, rotational symmetry and order. Ch-18. Polyhedron, faces, edges and vertices, Euler's formula	IUM Pg. 129-142, Pg. 290-299, Pg. 269-277 Pg. and 278-289 Selected sums from Ex 8.1 to 8.3, Ex 19.1, 19.2, Ex 17, Ex 18.1 and Ex 18.2,	Demonstrating the formula for the area of a parallelogram using cardboard, thermocol, coloured glazed papers, adhesive, scissors.
Syllabus for 1st term: Chapter no.-1,2,3,4,7,8,10,11,13,17,18,19(up to Ex19.2)					
SEPTEMBER	9	1st term major exam starts from 15.09.2025	Revision of the entire 1 st term syllabus.	REVISION	REVISION
OCTOBER	15	2ND TERM BEGINS FROM 07/10/2025 Ch-9 Direct and Inverse Variation IUM Pg. 144-160 Ch- 12 Linear Equations and Inequalities in One Variable IUM Pg. 195-213 Ch-19 Mensuration IUM Pg. 299-316	Ch-9. Direct variation, inverse variation, time, and work. Ch-12. Application of linear equations, linear inequalities. Ch-19. Volume of Solids, surface areas of cuboid, cube and cylinder	IUM Pg. 144-160 Pg. 195-213, Pg. 299-316 Selected sums from Ex Ex9.1 to Ex9.3 Ex 12.1 Ex 12.2, Ex 19.3 and Ex 19.4	Coins of denomination ₹1, ₹2, ₹5 and ₹5, A4 size paper, scissor are required to grasp the concepts of certain linear equation word problems
NOVEMBER	20	Ch- 12 Linear Equations and Inequalities in One Variable IUM Pg. 205-213 Ch-14 Construction of Quadrilaterals IUM Pg. 242-248 Ch-15 Circle IUM Pg. 249-256 UT- 2 begins from 17.11.2025	Ch-12. Application of linear equations, linear inequalities Ch-14. Construction of quadrilateral, parallelogram, rhombus, rectangles and squares. Ch-15. Circle, some terms associated with circle. UT-2 syllabus: Ch 9,12	IUM Pg. 205-213 Pg. 242-248 Pg. 249-256 Selected sums from Ex 12.3, Ex14.1, Ex 14.2 and Ex15	Group activity of construction of quadrilaterals and construction of circle.

Teachers are requested to prepare a LESSON PLANS for each Topic month wise. Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Manali Pal 2. Chaitali Roy 3. P. Saha

Submitted on: 21/04/2025

Academic Co-ordinator: K. Banerjee

PRINCIPAL [Signature]

VICE PRINCIPAL [Signature]



ST. LAWRENCE HIGH SCHOOL

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Session Plan/ Syllabus Coverage for the Academic Year 2025-2026



Subject: MATHEMATICS Term: 2nd

Name of the Subject Co-ordinator: MANALI PAL

Name of the Book: ICSE UNDERSTANDING MATHEMATICS (IUM), M L AGGARWAL

No. of Working Days: 92

No. of Periods Available: 46

Class: VIII

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
DECEMBER	17	Ch-6 Operations on Sets IUM Pg. 95-103 Ch-15 Circle IUM Pg. 249-256	Ch-6. Operations on Sets, cardinality of a set, overlapping sets, disjoint sets. Ch-15. Circle, some terms associated with circle.	IUM Pg. 97-105 Pg. 249-256 Selected sums from Ex 6, Ex 15	Group activity: Each group will create different types of sets
JANUARY	19	Ch-5 Playing with numbers IUM Pg. 79-94 Ch-16 Coordinate System and Graphs IUM Pg. 257-268 Ch-20 Data Handling IUM Pg. 318-340	Ch 5 – Playing with various 2-digit 3-digit numbers Ch-16- Coordinate system, linear graphs Ch-20. Bar graph, pie chart, histogram and chance and probability	IUM Pg. 318-340, Pg. 79-94, Pg. 257-268 Selected sums from Ex 5, Ex 16.1, Ex 16.2 and Ex 19.1 to Ex 19.3	Demonstration of pie-chart, bar graphs and histograms for classes of equal widths and varying widths.
FEBRUARY	10	Full revision 2 ND term major exam starts from 16/02/26	Revision of the entire 2 nd term syllabus.	REVISION	
Syllabus for 2 nd term: Chapter no: 1,2,3, 4,5, 6,7, 8, 9,10,11, 12,13, 14,15,16, 17, 18, 19 and 20.					
MARCH	NIL	Correction work continues	Correction work continues	Correction work continues	

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Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Manali Pal 2. Chaitali Roy 3. P. Datta

Submitted on: 21/04/2025
Academic Co-ordinator: R. Banerjee

PRINCIPAL [Signature]

VICE PRINCIPAL [Signature]